

Traumatic Brain Injury -- Hospital Discharges

2004*

MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Rate per 100,000 ²
	Uninten- tional	Intentional		Undeter- mined	Other & Legal ¹			
		Self- Inflicted	Assault					
Cut/pierce	4	1	13	0	0	18	0.4	0.3
Drowning/submersion	4	0	0	0		4	< .1	--
Fall	2,676	2	1	4		2,683	58.3	41.8
Fire/flare	0	0	0	0		0	0.0	--
Firearms	3	0	7	1	1	12	0.3	0.2
Machinery	7					7	0.2	0.1
Natural/environmental	7	0		0		7	0.2	0.1
Overexertion	1					1	< .1	--
Poisoning	6	4	0	4	0	14	0.3	0.2
Struck by, against	150		203		1	354	7.7	5.5
Suffocation/hanging	1	1	1	0		3	0.1	--
Transport Injuries:	1,528	2	1	0	0	1,531	33.2	23.9
<i>Motor vehicle traffic-related</i>	1,325	2	1			1,328	28.8	20.7
<i>Occupant</i>	909					909	19.7	14.2
<i>Motorcyclist</i>	130					130	2.8	2.0
<i>Pedal Cyclist</i>	67					67	1.5	1.0
<i>Pedestrian</i>	190					190	4.1	3.0
<i>Other person</i>	12					12	0.3	--
<i>Unspecified person</i>	17					17	0.4	0.3
<i>Pedal cyclist, other</i>	95					95	2.1	1.5
<i>Pedestrian, other</i>	9					9	0.2	0.1
<i>Other transport</i>	99					99	2.1	1.5
Other specified & classifiable	26	2	16	0	0	44	1.0	0.7
Other specified, not classifiable	17	2	14	1	0	34	0.7	0.5
Unspecified	72	0	60	4	0	136	3.0	2.1
Adverse effects ³						65	1.4	1.0
No cause or intent provided						81	1.8	1.3
TOTALS⁴	4,502	14	316	14	2	4,994	100%	77.8
RATE BY INTENT/per 100,000	70.2	0.0	4.9	0.2	0.0			

Source: Massachusetts Hospital Discharge Database, MA Division of Health Care Finance and Policy.

*All data sets from Health Care Finance and Policy are based on a fiscal year. The numbers provided here are based on fiscal year: October 1, 2003 - September 30, 2004 and will be different than numbers generated through the Department's query based system MassCHIP.

¹ Legal Intervention includes injuries resulting from police actions and operations of war.

² Rates are not calculated on counts of less than five. Rates that are based on counts less than twenty may be unstable. Rates provided here are not age-adjusted and may differ slightly from other department publications.

³ Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

⁴ Totals do not include subcategory counts. Total percent is presented here as 100% but may be slightly less or more due to rounding.

—An injury hospitalization is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)]

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—Only Massachusetts residents with valid MA zip codes are included in this analysis.

—Population data used to calculate rates are based on 2004 population estimates released August 11, 2005 by the US Census Bureau. Estimated 2004 Massachusetts population is 6,416,505.

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Data were extracted and compiled by the Injury Surveillance Program, Center for Health Information, Statistics, Research & Evaluation, MDPH, February 2006.